

ATTACHMENT D

Nutrient Management Plan for the Land Application Area

For Existing Concentrated Animal Feeding Operations (Milk Cow Dairies)

Dischargers who apply wastes from concentrated animal feeding operations (CAFOs) to land must develop and implement a Nutrient Management Plan (NMP) that provides protection of both surface water and groundwater. Initially, the NMP must be developed and implemented in accordance with Required Reports and Notices I.3.b and the Schedule of Tasks K.1 of Order No. _____. The initial NMP must contain all items below. Groundwater monitoring will be used to determine if implementation of the NMP is protective of groundwater quality. At a minimum, the NMP shall include the following:

1. The address and/or Assessors Parcel Number and a description, including number of acres, crops, drainage practices, ownership, etc., of existing and proposed croplands designed to receive manure and/or wastewater.
2. An estimate of the volume of manure or wastewater applied annually to cropland.
3. The proposed method of waste application and measures to comply with Prohibitions A.7, 8, and 9 and Land Application Specifications D.1 through D.6 of Order No. _____.
4. The necessary elements to comply with Title 40 Code of Federal Regulations (CFR) Section 412.4(c)(1-5) as specified in Provision F.19 of Order No. _____.
5. A demonstration that where manure or wastewater is to be applied to either on-site or off-site land as a fertilizer (i.e., reclaimed), the applications are at rates reasonable for the crop, soil, climate, special local situations, management systems, and type of manure. The demonstration must include calculations showing that the proposed nutrient loading to the cropland, including the nutritive value of manure, wastewater, bedding, chemical fertilizers, and irrigation water is consistent with reasonable agronomic loading rates and will not result in the development of vectors or other nuisance conditions and will not exceed the amount needed to meet crop demand at the time of application or stage of crop growth.
6. A schedule for implementation of the NMP.
7. The certification required in Required Reports and Notices I.3.b of Order No. _____.